

DETAILED ACTION

1. A request for continued examination under 37 CFR 1.114, including the fee set forth in 37 CFR 1.17(e), was filed in this application after final rejection. Since this application is eligible for continued examination under 37 CFR 1.114, and the fee set forth in 37 CFR 1.17(e) has been timely paid, the finality of the previous Office action has been withdrawn pursuant to 37 CFR 1.114. Applicant's submission filed on July 21, 2008 has been entered.
2. Claims 24 was cancelled by the amendment filed on July 21, 2008.
3. Claims 1-23 are pending.

Information Disclosure Statement

4. In the previous action, dated 6/9/2008, the examiner indicated the information disclosure statements filed 6/3/2008 failed to comply with 37 CFR 198(a)(2).
5. The information disclosure statements filed 6/3/2008 did, however, comply; copies of the prior art were received, they were simply not entered into the electronic database in time for the examiner to review prior to the previous action.
6. Therefore, the information disclosure statement (IDS) submitted on 6/3/2008 is in full compliance with the provisions of 37 CFR 1.97. Accordingly, the information disclosure statement is being considered by the examiner and the 1449 forms indicating such has been attached herewith.

EXAMINER'S AMENDMENT

7. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.
8. Authorization for this examiner's amendment was given in a telephone interview with Chris Gagne on September 9, 2008. The amendment simply removes intended use limitations in the claims. For example, claim 12 previously recited, "content server *for receiving* a request," (line 2) and this has been amended to recite, "a content server configured to receive a request."

The application, specifically claims 12-23, has been amended as follows:

Claim 12. A system comprising:

a content server configured to receive a request from an end-user computer for content, and transmit to said end-user computer, in response to said end-user request, said content comprising at least one storage resource locator ("SRL"), wherein said SRL comprises a unique file identifier generated from the contents of a file to identify the file associated with said content, the SRL including a field generated based upon hashing involving both a shared secret and another field of the SRL, the another field including both (1) an op code field that comprises an op code that specifies a selected operation from a plurality of operations that is to be performed involving the file and (2) an argument list that

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comprises one or more arguments corresponding to the selected operation, the one or more arguments being generated based upon a hash of the contents of the file; and

a storage center configured to receive a request for said file from said end-user computer, transmit said SRL for said file, and transmit, to said end-user computer, said file identified by said SRL.

Claim 13. The system as set forth in claim 12, wherein:

said SRL further comprises an authentication certificate; and

said storage center is configured to determine whether said request is valid using said authentication certificate, and transmit to said end-user computer said file only if said request is valid.

Claim 14. The system as set forth in claim 12, wherein:

said SRL further comprises a time-out parameter; and

said storage center is configured to determine whether said request is valid through said time-out parameter.

Claim 15. The system as set forth in claim 12, wherein said content server is further configured to embed said SRL into said content after receiving said request from an end-user computer for said content.

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Claim 16. The system as set forth in claim 15, wherein:
said content comprises mark-up language ("HTML") content; and
said content server is further configured to embed said SRL into said HTML.

Claim 17. The system as set forth in claim 15, wherein:
said SRL further comprises an SRL file; and
said content server is further configured to extract said SRL from said SRL file.

Claim 18. The system as set forth in claim 12, further comprising a local device, coupled to said content server, that includes a cache configured to store at least one SRL for at least one file in said cache of said local device, wherein said content server is further configured to extract said SRL from said cache of said local device.

Claim 19. The system as set forth in claim 18, wherein said content server is configured to mount said local device as a storage device to said SRLs.

Claim 20. The system as set forth in claim 19, further comprising a file system, accessible to said content server, including at least one SRL file

configured to store at least one SRL, wherein said file system comprises a file structure substantially similar to a file structure for said files.

Claim 21. A storage center comprising:

a storage configured to store a plurality of files;

a storage control configured to receive a request from an end-user computer, remote from said storage center, for at least one file, and transmit said file to said end-user computer, said request comprising at least one storage resource locator ("SRL") corresponding to said file, and wherein said SRL comprises a unique file identifier generated from the contents of a file to identify the file associated with content that said end-user computer downloaded from a content server, the SRL including a field generated based upon hashing involving both a shared secret and another field of the SRL, the another field including both (1) an op code field that comprises an op code that specifies a selected operation from a plurality of operations that is to be performed involving the file and (2) an argument list that comprises one or more arguments corresponding to the selected operation, the one or more arguments being generated based upon a hash of the contents of the file.

Claim 22. The storage center as set forth in claim 21, wherein:

said SRL further comprises an authentication certificate; and

said storage center is configured to determine whether said request is valid using said authentication certificate, and transmits to said end-user computer said file only if said request is valid.

Claim 23. The storage center as set forth in claim 21, wherein:

said SRL further comprises a time-out parameter; and

said storage center is configured to determine whether said request is valid through said time-out parameter.

Allowable Subject Matter

9. Claims 1-23 are allowed.

10. The following is an examiner's statement of reasons for allowance: The prior art fails to disclose or suggest all limitations of the claimed invention with particular emphasis on at least one storage resource locator (SRL) comprising a unique file identifier generated from the contents of the file to identify the file associated with said content, the SRL including a field generated based upon hashing involving both a shared secret and another field of the SRL, the another field including both (1) an op code field that comprises an op code that specifies a selected operation from a plurality of operations that is to be performed involving the file and (2) an argument list that comprises one or more arguments corresponding to

the selected operation, the one or more arguments being generated based upon a hash of the contents of the file.

11. Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

12. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure:

(a) US Pat. 6,032,196 - "System for adding a new entry to a web page table upon receiving a web page..."

(b) US Pat. 6,108,703 - "Global hosting system"

(c) US Pat. 6,598,051 - "Web page connectivity server"

13. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Thomas J. Dailey whose telephone number is 571-270-1246. The examiner can normally be reached on Monday thru Friday; 9:00am - 5:00pm.

14. If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Bunjob Jaroenchonwanit can be reached on 571-272-3913. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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15. Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/T. J. D./
Examiner, Art Unit 2152

/Bunjob Jaroenchonwanit/
Supervisory Patent Examiner, Art Unit 2152